



26 July 2004

Ms. Karen Stackpole SCS Engineers 8799 Balboa Avenue San Diego, CA 92123

RE: EB072104-L5

Enclosed are the results of analyses for samples received by the laboratory on 21-Jul-04. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530 and 2543.

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**EBS** SCS Engineers Co



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LFG2-L1	5407006-01	Vapor	21-Jul-04	21-Jul-04
LFG2-M1	5407006-02	Vapor	21-Jul-04	21-Jul-04
LFG2-L2	5407006-03	Vapor	21-Jul-04	21-Jul-04
LFG2-L3	5407006-04	Vapor	21-Jul-04	21-Jul-04
LFG2-M3	5407006-05	Vapor	21-Jul-04	21-Jul-04
LFG2-M4	5407006-06	Vapor	21-Jul-04	21-Jul-04
LFG2-O4	5407006-07	Vapor	21-Jul-04	21-Jul-04
LFG2-N4	5407006-08	Vapor	21-Jul-04	21-Jul-04
LFG2-N3	5407006-09	Vapor	21-Jul-04	21-Jul-04
LFG2-N2	5407006-10	Vapor	21-Jul-04	21-Jul-04
LFG2-M2	5407006-11	Vapor	21-Jul-04	21-Jul-04
LFG2-N1	5407006-12	Vapor	21-Jul-04	21-Jul-04
LFG2-O1	5407006-13	Vapor	21-Jul-04	21-Jul-04
LFG2-E2	5407006-14	Vapor	21-Jul-04	21-Jul-04



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### Volatile Organic Compounds by EPA Method 8260B

	AA	CA TIAUDITE	0000	J					
Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-L1 (5407006-01) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-M1 (5407006-02) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-L2 (5407006-03) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-L3 (5407006-04) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-M3 (5407006-05) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04	- Vir					
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-M4 (5407006-06) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-O4 (5407006-07) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-N4 (5407006-08) Vapor	Sampled: 21-Jul-04	Received: 21-	-Jul-04				_		
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-N3 (5407006-09) Vapor	Sampled: 21-Jul-04	Received: 21-	-Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	



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### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-N2 (5407006-10) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-M2 (5407006-11) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-N1 (5407006-12) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-O1 (5407006-13) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	
LFG2-E2 (5407006-14) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
1,1-Difluoroethane	ND	10	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	8260B	



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### Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-L1 (5407006-01) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	**	**		17	**	H.	
Ethyl tert-butyl ether	ND	1	***	**		**	**	(1)	
Tert-amyl methyl ether	ND	1	.00	36	n	.00	11	"	
Benzene	0.8	0.1	11	**	30%	***	n	n	
Toluene	ND	1	**	.11	**	**	**		
Ethylbenzene	ND	1		**	**	**	**		
m,p-Xylene	ND	2	**	**		**	*1		
o-Xylene	ND	1	"		36		11	**	
Tert-butyl alcohol	ND	10	0		10	00	11	•	
Chloroform	ND	1	0.	300	11	0.0	91		
Dichlorodifluoromethane	ND	1	0		11	0	**	**	
1,1-Dichloroethane	ND	1		"	**	"	**	H.	
1,1-Dichloroethene	ND	1	**	**	"	**	**	11	
1,2-Dichloroethane	ND	1	(0)	n	11	**	10.0	•	
cis-1,2-Dichloroethene	ND	1	39.	11	11		317	(4)	
trans-1,2-Dichloroethene	ND	1	300	11	2		0	11	
Freon 113	ND	1	11	"	22	0	29	90	
Methylene chloride	ND	1	н:		**	**	**	10	
Tetrachloroethene	ND	1	140	**		**	**	ñ.	
1,1,2-Trichloroethane	ND	1	10)	36	n	n.		35.7	
1,1,1-Trichloroethane	ND	1	367	30%	n n	0	n	, march	
Trichloroethene	ND	1	907	H	"	н		19	
Trichlorofluoromethane	ND	1	39.1	H	Ħ	11	•	in :	
Vinyl chloride	0.3	0.05	367	3407	**	"	**	n C	
Surrogate: Dibromofluoromethai	ie	170 %	75-	125	n	n	"	н	S-04
Surrogate: 1,2-Dichloroethane-d		118 %	75-	125	n	<i>n</i>	m:	#E	
Surrogate: Toluene-d8		153 %	75-	125	"	<b>37</b> )	n	m:	S-04



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

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Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-M1 (5407006-02) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	u	"	**	ii.		"	
Ethyl tert-butyl ether	ND	1			. 10	11	**		
Tert-amyl methyl ether	ND	1	<u>n</u>	H	u	THE	16	**	
Benzene	0.5	0.1	30	н	Off		116	**	
Toluene	ND	1	11	11	late.	966	**	H	
Ethylbenzene	2.1	1	**	**	÷w.	199	316	300	
m,p-Xylene	ND	2	**	11	396	200	900	CHE.	
o-Xylene	ND	1	**	**	200	300	3983	SHE .	
Tert-butyl alcohol	ND	10	**	***	516	900	388	и	
Chloroform	ND	1	**	11	(14)	8 <b>H</b> E	340	:#6	
Dichlorodifluoromethane	ND	1	"	**	310	346	300	(H)	
1,1-Dichloroethane	ND	1	II .	***	300	3(19)	:00:		
1,1-Dichloroethene	ND	1	"		200	UP#:	300	CHC	
1,2-Dichloroethane	ND	1	11	"	395	200	900	in.	
cis-1,2-Dichloroethene	ND	1	11	"	(99)	3R	.11		
trans-1,2-Dichloroethene	ND	1	**	11	**	11	TT.	m .	
Freon 113	ND	1	"	<b>11</b>	**	30	**		
Methylene chloride	ND	1	"	**		W	9		
Tetrachloroethene	ND	1	**	"	11	31	n i	"	
1,1,2-Trichloroethane	ND	1	11	**	10	11	10	n	
1,1,1-Trichloroethane	ND	1	m .	**	п	39.	ĴĈ.		
Trichloroethene	ND	1	**	"	.00	**	.00	**	
Trichlorofluoromethane	ND	1	ū	11	.00	m.	Û.	**	
Vinyl chloride	0.2	0.05	ii	ü	**	W	ir	.11	
Surrogate: Dibromofluoromethan	e	92.8 %	75-	125	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		119%		125	n	"	"	"	
Surrogate: Toluene-d8		108 %		125	"	"	,,	"	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-L2 (5407006-03) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04					Allin	
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	"	**		11.	0	,,	
Ethyl tert-butyl ether	ND	1	**	**	11	31	"	*	
Tert-amyl methyl ether	ND	1	**	**	71	**	**		
Benzene	0.4	0.1	.11	**	**	**	11		
Toluene	ND	1	11		11	9	U.	,,	
Ethylbenzene	1.5	1		11	$\widetilde{\mathbf{u}}_{-1}$	0.0	9	*	
m,p-Xylene	ND	2	**	**	20		21	11	
o-Xylene	ND	1	"	**	22	n	ü	H	
Tert-butyl alcohol	ND	10	"		**	**	"	9	
Chloroform	ND	1	**	10	**	**		<u>0</u>	
Dichlorodifluoromethane	ND	1	"	10	**	10	"	39	
1,1-Dichloroethane	ND	1		11				2	
1,1-Dichloroethene	ND	1	0.0		11.	<u>n</u>	**	10	
1,2-Dichloroethane	ND	1	n.	w	11	n :	*		
cis-1,2-Dichloroethene	ND	1	30	**	11	n	*	N.	
trans-1,2-Dichloroethene	ND	1	11	n	**	**	66	н	
Freon 113	ND	1	n	3007	**	**	н	**	
Methylene chloride	ND	1	3900	3007	11	**	u	11	
Tetrachloroethene	ND	1	n	300	n	19	н	я	
1,1,2-Trichloroethane	ND	1	m.	11	Эн	н	∃u .	**	
1,1,1-Trichloroethane	ND	1	n:	10	THE STATE OF THE S	**	n.	17	
Trichloroethene	ND	1	н	***	***	**	16	11	
Trichlorofluoromethane	ND	1	n	**	111	11	н	н	
Vinyl chloride	0.08	0.05	91	(10.7)	(39	**	(46)	"	
Surrogate: Dibromofluoromethan	ie	79.2 %	75-	125	n	n	n n	n	
Surrogate: 1,2-Dichloroethane-d		96.4 %		125	"	#1	"	n	
Surrogate: Toluene-d8		80.8 %	75-	125	"	W.C	"	"	



8799 Balboa Avenue San Diego CA, 92123

Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

### Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-L3 (5407006-04) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04	200-100-1					
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	"	11	**	11	**	n	
Ethyl tert-butyl ether	ND	1	n		н	11	**		
Tert-amyl methyl ether	ND	1	ij	9	"		**	**	
Benzene	0.3	0.1	U	11	**	**	***	**	
Toluene	ND	1	Ü	21	**	"	(4)	**	
Ethylbenzene	1.5	1	) ii		**	**		**	
m,p-Xylene	ND	2	ii	ũ	11	**		.00	
o-Xylene	ND	1	H	11	111	**			
Tert-butyl alcohol	ND	10	<u>n</u>	70	.11	**		n	
Chloroform	ND	1	н	22		11	10	11	
Dichlorodifluoromethane	ND	1	<u>ii</u>	9	.11	**	u.	11	
1,1-Dichloroethane	ND	1		9	0.			ji.	
1,1-Dichloroethene	ND	1	"	**	n	.00	11	THE STATE OF THE S	
1,2-Dichloroethane	ND	1	"	"	.10	**	(10)	216	
cis-1,2-Dichloroethene	ND	1	"	**	.00	0.0	0	36	
trans-1,2-Dichloroethene	ND	1	"	**		.0.		36	
Freon 113	ND	1	22	**	n	.0	**	310	
Methylene chloride	ND	1	"	**	n		17	ж	
Tetrachloroethene	ND	1	9	**		10	30	100	
1,1,2-Trichloroethane	ND	1	"	**	.11	30	000	16	
1,1,1-Trichloroethane	ND	1	"	**		30	7940	100	
Trichloroethene	ND	1	n	**	**	700	30%	n.	
Trichlorofluoromethane	ND	î.	11	**	300	36	308	300	
Vinyl chloride	2.8	0.05	<u>H</u>	**	3115	306	20%	310	
Surrogate: Dibromofluorometha	ne	241 %	75-	125	"	H	7.200	"	S-04
Surrogate: 1,2-Dichloroethane-d		90.0 %		125	in.	111	3 <b>#</b> 3	"	
Surrogate: Toluene-d8	150	81.6 %		125	· n	· n	0 <b>m</b> s	m.	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

100		Reporting		Dilution					
Analyte	Result	Limit	Units	Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-M3 (5407006-05) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	u	.00	.11	н	**	10	
Ethyl tert-butyl ether	ND	1	.01		30	11	11	**	
Tert-amyl methyl ether	ND	1	10		"	*	11	u	
Benzene	7.8	0.1	**	**	30	**	10	н	
Toluene	ND	1			30	**	11	11	
Ethylbenzene	ND	1	**	.,,	10	n.	11	340	
m,p-Xylene	ND	2	**		30	u	11	Bre C	
o-Xylene	ND	1	**	.00	11	n	0	11	
Tert-butyl alcohol	ND	10		316	300		***	10	
Chloroform	ND	1	**	-11	903	3000	990	SINS	
Dichlorodifluoromethane	ND	1	396	316	11:	2002	316	300 (	
1,1-Dichloroethane	ND	1	300	300	310	30%	965	300	
1,1-Dichloroethene	ND	1	396	300	919	100	(890)	MC	
1,2-Dichloroethane	ND	1	800	DIE	386.0	ac	#15	983	
cis-1,2-Dichloroethene	ND	1	110	8116	(84%)	W.S.	##E	3M.S	
trans-1,2-Dichloroethene	ND	1	11	5 <b>11</b> %	<b>111</b> 3	315	\$100		
Freon 113	ND	1	710	F100	3000	397	30	(0))	
Methylene chloride	ND	1	300	8102	(11)	**	#1	(44)	
Tetrachloroethene	ND	1	111	395	110	315	10.1	90%	
1,1,2-Trichloroethane	ND	1	.11	311	30.5	(#9.)	н	2017	
1,1,1-Trichloroethane	ND	1	H.	(99)	30.0		11	307	
Trichloroethene	ND	1	311	3990	91.5	11	Ü	n.	
Trichlorofluoromethane	ND	1	и	3.88	0.5	30.	0 -	41	
Vinyl chloride	0.3	0.05	910	.11	91	ii.	ïi	11	
Surrogate: Dibromofluoromethan	e	104 %	75-	125	**	"	"	"	
Surrogate: 1,2-Dichloroethane-de		107 %	75-	125	"	"	"	"	
Surrogate: Toluene-d8		118 %	75	125	n	"	"	"	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-M4 (5407006-06) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	**	**	11	"	.00	H.	
Ethyl tert-butyl ether	ND	1	**	**	n n	"	**	**	
Tert-amyl methyl ether	ND	1	**		***	**	.0	**	
Benzene	0.1	0.1	**	31	**	**	. **	Cer.	
Toluene	ND	1	***	n	**	"	11	u	
Ethylbenzene	ND	1		0.	***	11	16	**	
m,p-Xylene	ND	2	ii.	11	**	#	äw	i ni	
o-Xylene	ND	1	11	11	tr	tt	11	100	
Tert-butyl alcohol	ND	10	n	117	7.86	ш	200	÷10	
Chloroform	ND	1	н	**	100	: m	(11)	300	
Dichlorodifluoromethane	ND	1	n	34%	1.00	11	210	300	
1,1-Dichloroethane	ND	1	**	99.0	300	LU	200	100	
1,1-Dichloroethene	ND	1	n	300	::10	: 10	510	1300	
1,2-Dichloroethane	ND	1	n	100	500		2990	1300	
cis-1,2-Dichloroethene	ND	1	311	(19)	500	1.05	311	1.00	
trans-1,2-Dichloroethene	ND	1	n	H-1	:#0	198	1981	Let	
Freon 113	ND	1	***	m >	200	349	990	/hc	
Methylene chloride	ND	1	11	25	1.80	811	527		
Tetrachloroethene	ND	1	31	0.1	200		390		
1,1,2-Trichloroethane	ND	1	11	.01	100	. **	.79		
1,1,1-Trichloroethane	ND	1	**	20	H	**	***	.00	
Trichloroethene	ND	1	**	.01	н		.99		
Trichlorofluoromethane	ND	1	**			, m	.11	n	
Vinyl chloride	ND	0.05	n	n	**	**	**	н	
Surrogate: Dibromofluoromethan	e	106 %	75-	125	"	n	n	"	
Surrogate: 1,2-Dichloroethane-d4		108 %		125	H	"	**	"	
Surrogate: Toluene-d8		96.0 %		125	· · · · · · · · · · · · · · · · · · ·	ï	**	"	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-O4 (5407006-07) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	Ü	н		*	11		
Ethyl tert-butyl ether	ND	1		**	**	**	n		
Tert-amyl methyl ether	ND	1	.00	**	**	••	11	*	
Benzene	0.4	0.1			**	31		"	
Toluene	ND	1		.00	**	0	**	n	
Ethylbenzene	ND	1	**	.00	**	11	**	"	
m,p-Xylene	ND	2	**	H.		n.		10	
o-Xylene	ND	1	**	н	11	10	36.5	306	
Tert-butyl alcohol	ND	10	•	п	11	NC.	10.7	30%	
Chloroform	ND	1		.01	1000	H.	111	300	
Dichlorodifluoromethane	ND	1	00.	11	n .	n	н	300	
1,1-Dichloroethane	ND	1	16	30	10.	11	0	30%	
1,1-Dichloroethene	ND	1	*1	m	11	3113	TH	30 (	
1,2-Dichloroethane	ND	1	11	**	100	3117	11	311.5	
cis-1,2-Dichloroethene	ND	1	**	**	n	11	11	310	
trans-1,2-Dichloroethene	ND	1	**	in:	no	311.0	11	30.0	
Freon 113	ND	1	200	SHC.	и:	3113	11	<b>H</b> S.	
Methylene chloride	ND	1	000	300	**	11	"	#8	
Tetrachloroethene	ND	1	345	эн	11	30.5	**	#E	
1,1,2-Trichloroethane	ND	1	30%	385	Ħ	30.5	"	#7	
1,1,1-Trichloroethane	ND	1	2001	306	59	30.0	"	er ::	
Trichloroethene	ND	1	#7	311	**	30.0	**	#1	
Trichlorofluoromethane	ND	1	387	300	51	367	"	#	
Vinyl chloride	0.1	0.05	ж	306	11	89%	**	N .	
Surrogate: Dibromofluoromethar		146 %	75-	125	#5	in:	n:	"	S-04
Surrogate: 1,2-Dichloroethane-d		113 %		125	#	11	"	**	
Surrogate: Toluene-d8		138 %		125	"	"	n'	11.	S-04



8799 Balboa Avenue

San Diego CA, 92123

Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported:

27-Jul-04

### Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-N4 (5407006-08) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	÷ 11.	ш	.11		"	и	
Ethyl tert-butyl ether	ND	1	₹#.	u.		"			
Fert-amyl methyl ether	ND	1	11.88.	ii	"	11	**		
Benzene	0.5	0.1		ü	**	11	**		
Toluene	ND	1	***	ũ	•	Ti.	30	11	
Ethylbenzene	ND	1	**	ii	•	94	**	"	
m,p-Xylene	ND	2	11	ũ	**	**	n		
o-Xylene	ND	1	"	ü	**	11	"	"	
Tert-butyl alcohol	ND	10	**	ü	**	**	0.	"	
Chloroform	ND	1	"	ŭ	**	*		"	
Dichlorodifluoromethane	ND	1	**	ũ	**	**	n		
1,1-Dichloroethane	ND	1	***	ũ	**	"			
1,1-Dichloroethene	ND	1	**	0	**	**	(0)	"	
1,2-Dichloroethane	ND	1	11	ü	77	"	(0.0	"	
cis-1,2-Dichloroethene	ND	1	ii.	iii	**	**	90		
trans-1,2-Dichloroethene	ND	1	•	H	**	**	10.		
Freon 113	ND	1	10	ij		**		*	
Methylene chloride	ND	1	**	0.	**	**		n	
Tetrachloroethene	ND	1	**	ij.	**	**	и		
1,1,2-Trichloroethane	ND	1	10		**	**	n		
1,1,1-Trichloroethane	ND	1	10	11		**		m:	
Trichloroethene	ND	1	n.	9	**		iii	н	
Trichlorofluoromethane	ND	1	ü	ij	**	n	ii.	n.	
Vinyl chloride	0.1	0.05	ij		**	ii.	30	и	
Surrogate: Dibromofluorometha	ne	40.4 %	75	-125	и	"	H	916	S-04
Surrogate: 1,2-Dichloroethane-d		89.6 %	75	-125	"	"	n	in.	
Surrogate: Toluene-d8		99.6 %	75	-125	n	"	"	3 <b>1</b> 6	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill Project Manager: Ms. Karen Stackpole Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-N3 (5407006-09) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04			g. 15940X			
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	"	н	10	**	**	**	
Ethyl tert-butyl ether	ND	1	**	.00	30	**	.,	"	
Tert-amyl methyl ether	ND	1	"	11	**	n n	305	**	
Benzene	0.7	0.1	п	**	**				
Toluene	ND	1		**	20	"	**	**	
Ethylbenzene	ND	1		.00		**	**		
m,p-Xylene	ND	2	***		11		310	*	
o-Xylene	ND	1	**	11	**	**	90		
Tert-butyl alcohol	ND	10	**	11	**	36	0		
Chloroform	ND	1	.27			0.	(00)	100	
Dichlorodifluoromethane	ND	1	10	n	17	10	ju:	10	
1,1-Dichloroethane	ND	1	360	360	39	310	307	317	
1,1-Dichloroethene	ND	1	(990)	310	30%	are	3801	300	
1,2-Dichloroethane	ND	1	301	3497	10%	OT .	968	362	
cis-1,2-Dichloroethene	ND	1	H	(16)	31	99	1883	ж	
trans-1,2-Dichloroethene	ND	1	3117	300	31	3117	#□	34.5	
Freon 113	1.2	1	310	310	**	310	н:	MO.	В
Methylene chloride	ND	1	3113	316	**	**	и	361	
Tetrachloroethene	ND	1	H	316	11	n	н	3003	
1,1,2-Trichloroethane	ND	1	917	316	**	31	н	M.S.	
1,1,1-Trichloroethane	ND	1	3995	3112	**	30	39	m 5	
Trichloroethene	ND	1	388.5	990	**	31.5	"	305	
Trichlorofluoromethane	ND	1	246		u	900	39	<b>H</b> S	
Vinyl chloride	0.1	0.05	417.7	0110	II	n	11	#2	
Surrogate: Dibromofluoromethar	ie	95.6 %	75-	125	"	"	"	<b>n</b>	
Surrogate: 1,2-Dichloroethane-d		99.6 %		125	"	"	n	n	
Surrogate: Toluene-d8		95.6 %		125	"	"	"	n	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Reported: 27-Jul-04

Project Manager: Ms. Karen Stackpole

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-N2 (5407006-10) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/I	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	300	300	"	"	**	ü	
Ethyl tert-butyl ether	ND	1	300	30.5	"	Ü	**	ü	
Tert-amyl methyl ether	ND	1	u.	300	"	**	**	ü	
Benzene	0.9	0.1	31.	:11	**	**	**	ű	
Toluene	ND	1	900	1000	"	"		ii	
Ethylbenzene	1.9	1	913	200	"	**	Tit.	Ü.	
m,p-Xylene	ND	2	300	395	÷.	"	in	ii ii	
o-Xylene	ND	1	310	(0)	n	"	111	"	
Tert-butyl alcohol	ND	10	300		ũ	"		u.	
Chloroform	ND	1	000	11	ũ	**	100	ii.	
Dichlorodifluoromethane	ND	1	10	n	ü	"	(4)	- 0	
1,1-Dichloroethane	ND	1	11	0	11	**		#	
1,1-Dichloroethene	ND	1	11		0	**		15	
1,2-Dichloroethane	ND	1		11	**	**	300	ii.	
cis-1,2-Dichloroethene	ND	1	11	11	**	**		*	
trans-1,2-Dichloroethene	ND	1	**	11	"	**	(10)	*	
Freon 113	ND	1	10			29	(90)	**	
Methylene chloride	ND	1		11	ii.	ii	(0)	*	
Tetrachloroethene	ND	1		n	Ü	Ü	**	*	
1,1,2-Trichloroethane	ND	1		n	iii	Ü	100	"	
1,1,1-Trichloroethane	ND	1	"		ii.	"	.0		
Trichloroethene	ND	1	H	•	"	"	n	"	
Trichlorofluoromethane	ND	1	**		11			11	
Vinyl chloride	0.5	0.05		31.	"	**	w	ıı.	
Surrogate: Dibromofluoromethan	ie	96.4 %	75-	-125	77	n	"	**	
Surrogate: 1,2-Dichloroethane-d		97.2 %	75-	-125	$H^{\circ}$	n	<u>ii</u>	"	
Surrogate: Toluene-d8		104 %		-125	"	"	"	"	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Reported: 27-Jul-04

Project Manager: Ms. Karen Stackpole

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-M2 (5407006-11) Vapor	Sampled: 21-Jul-04	Received: 21	-Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	**	**	.0	"	O.	".	
Ethyl tert-butyl ether	ND	1	#	"	**	**	.00	n	
Tert-amyl methyl ether	ND	1	**		"	"	11	**	
Benzene	0.6	0.1	ŭ	11	*	ii.	.01	11	
Toluene	ND	1	ü	Ĭ.	**			**	
Ethylbenzene	6.0	1	10	20	.00	11	**	11	
m,p-Xylene	ND	2	11	))	.00	ü	.**	**	
o-Xylene	ND	1	6	"		11		ж	
Tert-butyl alcohol	ND	10	0.	22	11	: W	H	1906	
Chloroform	ND	1	8.	77	n .	U	:16	1000	
Dichlorodifluoromethane	ND	1	9	<u>n</u>	96	: ж	116	300	
1,1-Dichloroethane	ND	1	ij.	**	3115	OHE	VHC:	Эне	
1,1-Dichloroethene	ND	1	u	**	11	OH:	310	:16:	
1,2-Dichloroethane	ND	1	<u>u</u>	**	an:	3111	50K	112	
cis-1,2-Dichloroethene	ND	1	ŭ	**	116	46	310	EHC	
trans-1,2-Dichloroethene	ND	1	ü	**	316	1186	H	:не	
Freon 113	ND	1	- 10	**	046	246	300	286	
Methylene chloride	ND	1	10	**	398	7.10	2197	SMS	
Tetrachloroethene	ND	1	i ni	**	3115	900	:11	OR:	
1,1,2-Trichloroethane	ND	1	□n-	H	090	300	1990	ж	
1,1,1-Trichloroethane	ND	1	Off	ш	300	3.00	(99)	30	
Trichloroethene	ND	1		"	3116	300	(99)	1.00	
Trichlorofluoromethane	ND	1	.00	11	310	1000	(99)	1000	
Vinyl chloride	0.2	0.05	198	"	900	190			
Surrogate: Dibromofluoromethan	e	99.6 %	75-	125	"	"	n	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %		125	"	ü	ii ii	, rr	
Surrogate: Toluene-d8		104 %	75-	125	"	"	n	it	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

### Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-N1 (5407006-12) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	0	.00	***	**	HE	3077	
Ethyl tert-butyl ether	ND	1	"	16	**		111	ar .	
Tert-amyl methyl ether	ND	1		u	"	11	11	30.1	
Benzene	1.2	0.1		11	**	300	H :	11	
Toluene	ND	1		.00	30	960		11	
Ethylbenzene	ND	1	n	300	9977	(#12)	(1)	10	
m,p-Xylene	ND	2	10	316	**	310	11	# 1	
o-Xylene	ND	- 1	110	716	3000	:0:	er :	n	
Tert-butyl alcohol	ND	10	int.	316	(0.00)	3815	.01	n.	
Chloroform	ND	1	316	:10	:##.\L	3815	.00	0	
Dichlorodifluoromethane	ND	1	198	tt	39.0	:110	.01	n	
1,1-Dichloroethane	ND	1	340	316	.410	(44)	Ü	**	
1,1-Dichloroethene	ND	1	311	8108	3100	:40%	ñ	**	
1,2-Dichloroethane	ND	1	2461	386	#10	21	ñ	**	
cis-1,2-Dichloroethene	ND	1	200	216	(89)	TI.	n	"	
trans-1,2-Dichloroethene	ND	1	316	196	**	11	"	n	
Freon 113	ND	1	399	316	#	11.	ñ	"	
Methylene chloride	ND	1	(**)		**	11	W .	**	
Tetrachloroethene	ND	1	1.990	**	**	30	11	"	
1,1,2-Trichloroethane	ND	1	.**	**	"	"	30		
1,1,1-Trichloroethane	ND	1	398	11	**	**	11	"	
Trichloroethene	ND	ī	310		"	**	**	n	
Trichlorofluoromethane	ND	1	3993		**	**	*1		
Vinyl chloride	ND	0.05			**	it	"		
Surrogate: Dibromofluorometha.	ne	97.2 %	75	-125	"	n	"	"	
Surrogate: 1,2-Dichloroethane-a		98.0 %	75	-125	"	#	•	"	
Surrogate: Toluene-d8		101 %		-125	*	"	"	"	



SCS Engineers 8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Reported:

Project Manager: Ms. Karen Stackpole

27-Jul-04

# Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-O1 (5407006-13) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	Ti.	ii ii	**	••	11	11	
Ethyl tert-butyl ether	ND	1		0	*	10	** .	11	
Tert-amyl methyl ether	ND	1	**	n	**	111	***	31	
Benzene	0.9	0.1	71		**	11	**	**	
Toluene	ND	1	**	"	"	**	**	n.	
Ethylbenzene	ND	1	. **	11	"		**	36	
m,p-Xylene	ND	2	n	**	11	11	91	:#6	
o-Xylene	ND	1	н	**	.11		**	36	
Tert-butyl alcohol	ND	10		"	"	•	31	10.	
Chloroform	ND	1	**	. 11	9	**	н	(11)	
Dichlorodifluoromethane	ND	Î	**		**		**	340	
1,1-Dichloroethane	ND	1		**	"	315	0000	38:	
1,1-Dichloroethene	ND	1	•	11	W.	10	244.5	S##:	
1,2-Dichloroethane	ND	1	•	***		30	7744(7)	311	
cis-1,2-Dichloroethene	ND	1	•	**	.10	30	000	910	
trans-1,2-Dichloroethene	ND	1	**	ii ii	iii	11	306	(98)	
Freon 113	ND	1	**	11		н	8116	(200)	
Methylene chloride	ND	1	**		**	EHK	n	\0.	
Tetrachloroethene	ND	1	11	u	**	346	8801	u.	
1,1,2-Trichloroethane	ND	1	11	u	**	196	2900	W.	
1,1,1-Trichloroethane	ND	1	m.	**	**	311	3780	/H.	
Trichloroethene	ND	1	**	"	***	1900	0980	586	
Trichlorofluoromethane	ND	ī	11		11	200	2915	n.	
Vinyl chloride	0.1	0.05	**	0	10	000	200	in.	
Surrogate: Dibromofluorometha		89.2 %	75	-125	11.	11	"	"	
Surrogate: 1,2-Dichloroethane-a		90.8 %		-125	31E	11	ii.	"	
Surrogate: Toluene-d8		98.0 %		-125		"	$\widetilde{H}$	$\widetilde{u}$	



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
LFG2-E2 (5407006-14) Vapor	Sampled: 21-Jul-04	Received: 21-	Jul-04						
Methyl tert-butyl ether	ND	1	ug/l	0.05	5G42101	21-Jul-04	21-Jul-04	EPA 8260B	
Di-isopropyl ether	ND	1	"			0	"	н	
Ethyl tert-butyl ether	ND	1	ij.	9		- m	**	n.	
Tert-amyl methyl ether	ND	1	ij.	0		-11			
Benzene	0.2	0.1	2	n	**	**	**	н	
Toluene	ND	1	"	9	"	**	10	и	
Ethylbenzene	ND	1		n		11. <b>4.</b>		*	
m,p-Xylene	ND	2	**	9	u	**	11	ж	
o-Xylene	ND	1	"	22	и	**	The state of the s	ж	
Tert-butyl alcohol	ND	10	"	"	.01	11	10.	300	
Chloroform	ND	1	"	9	10	44		*	
Dichlorodifluoromethane	ND	1	"	22	n	u	310	383	
1,1-Dichloroethane	ND	1	"	20	EHF.	lee	300	эк	
1,1-Dichloroethene	ND	1	**	**	316	110	010	₹ <b>H</b> S	
1,2-Dichloroethane	ND	1	**	**	(16)	(10)	3116	390	
cis-1,2-Dichloroethene	ND	1	**	**	3110	380	(88)	390	
trans-1,2-Dichloroethene	ND	1	"	<b>99</b>	316	310	3867	e)C	
Freon 113	1.7	1	**	**	SHE	SIE	2865	300	В
Methylene chloride	ND	1	**	"	316	200	(11)	100	
Tetrachloroethene	ND	1	11	ıı	HE	30	188	H.	
1,1,2-Trichloroethane	ND	1	**	11	396	D10	orto	(H)	
1,1,1-Trichloroethane	ND	1	**	"	390	200	(**)	эн:	
Trichloroethene	ND	1	**	#	:н:	806	(##5)	185	
Trichlorofluoromethane	ND	1	tt.	и	.96	316	***	30:	
Vinyl chloride	ND	0.05	**	"	396	1.00	:11	W.	
Surrogate: Dibromofluorometha	ne	92.4 %	75	-125	776	"	11	п	
Surrogate: 1,2-Dichloroethane-d		102 %		-125		"	76	n	
Surrogate: Toluene-d8		102 %	75	-125	n	ü	"	"	



1,1-Difluoroethane

8799 Balboa Avenue

San Diego CA, 92123

Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported:

27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B - Quality Control H&P Mobile Geochemistry Lab L5

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G42101 - EPA 5030	Result	LJMIN.	Omo	20,00	27.7	1.57.555.555				
				Drangrad	& Analyzo	ed: 21-Jul	-04	22-70-70		
Blank (5G42101-BLK1)				Prepared	& Allalyzi	ca. Zi-Jui	-04			

ug/l

10

ND



8799 Balboa Avenue San Diego CA, 92123 Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported: 27-Jul-04

## Volatile Organic Compounds by EPA Method 8260B in Air - Quality Control H&P Mobile Geochemistry Lab L5

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5G42101 - EPA 5030										
Blank (5G42101-BLK1)				Prepared	& Analyza	ed: 21-Jul-	-04			
Methyl tert-butyl ether	ND	1.0	ug/l							
Di-isopropyl ether	ND	1.0	19							
Ethyl tert-butyl ether	ND	1.0	Ü							
Fert-amyl methyl ether	ND	1.0	n							
Benzene	ND	0.100	ü							
Toluene	ND	1.0								
Ethylbenzene	ND	1.0	**							
m,p-Xylene	ND	2.0	**							
o-Xylene	ND	1.0	**							
Fert-butyl alcohol	ND	10	ü							
Chloroform	ND	1.0	"							
Dichlorodifluoromethane	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	n							
1,2-Dichloroethane	ND	1.0	2							
cis-1,2-Dichloroethene	ND	1.0	**							
trans-1,2-Dichloroethene	ND	1.0	**							
Freon 113	0.63	1.0	**							
Methylene chloride	ND	1.0	ñ .							
Tetrachloroethene	ND	1.0	n							
1,1,2-Trichloroethane	ND	1.0	**							
1,1,1-Trichloroethane	ND	1.0	**							
Trichloroethene	ND	1.0	300							
Trichlorofluoromethane	ND	1.0	96							
Vinyl chloride	ND	0.050	и							
Surrogate: Dibromofluoromethane	1.22		"	2.50		48.8	75-125			A-
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		96.8	75-125			
Surrogate: Toluene-d8	3.74		***	2.50		150	75-125			A-



8799 Balboa Avenue

San Diego CA, 92123

Project: EB072104-L5

Project Number: 01203520.00 Task 2/MB Landfill

Project Manager: Ms. Karen Stackpole

Reported:

27-Jul-04

#### Notes and Definitions

A-01 The surrogate recovery for this sample is outside of established control limits. No corrective action taken.

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Date: 1/4/04	- ANIFONET ERUTAINA-L		Outside Lab:	7
Chain of Custody Record	148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469	432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404	2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798	ASC CONTROSC
	7		LABS	CAR SCO

Total # of containers 20 List Project Manager Killing Start Court Seal Intact: 

Nes 

No 

N/A N/A (Received on Site) me: SCS Engineers Co Intact: 

Yes Sample Receipt Cold: 

Yes JUL 2 8 2004 Field Notes EBS (company) (company) X Location: Mission Day Disposal @ \$2.00 each Fixed Gases Methane Client Project # C121 VOCs and Oxygenates 8260B Turn around time: NOCE Oxygenates BTEX / Oxygenates 418.1 TRPH Received by: (Signature) 8021 for Halogenated compounds 8021 for BTEX/MTBE TPH extended TPH gasoline / diesel 4290 Container Type Signature constitutes authorization to proceed with analysis and acceptance of condition on back (company) Sample Type Avenue Date 1335 000 1300 1315 165 135 Time Depth ī 0 0 Relinquished by: (Signature) 92-HJ 2 Sample Phone: Notes: 9 18-2007 UPS 5